


# ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1

Stylesheet Version v1.1.1

| <b>Title of<br/>Invention</b> | TRACK-LOCKING METHOD AND APPARATUS FOR OPTICAL<br>DISK DRIVE   |  |                          |                   |           |              |   |                  |                          |             |   |                  |                      |       |            |                  |                         |       |            |                  |             |       |            |                  |              |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |
|-------------------------------|--|--|--------------------------|-------------------|-----------|--------------|---|------------------|--------------------------|-------------|---|------------------|----------------------|-------|------------|------------------|-------------------------|-------|------------|------------------|-------------|-------|------------|------------------|--------------|-------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|------------|------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|------------|------|------------|------------------|------------|------|------------|------------------|------------|------|------------|------------------|------------|------|------------|------------------|------------|------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|
| Submission Type :             | Utility Patent Filing  |  |                          |                   |           |              |   |                  |                          |             |   |                  |                      |       |            |                  |                         |       |            |                  |             |       |            |                  |              |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |
| Application Number:           | 10/711384  |  |                          |                   |           |              |   |                  |                          |             |   |                  |                      |       |            |                  |                         |       |            |                  |             |       |            |                  |              |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |
| EFS ID:                       | 68532  |  |                          |                   |           |              |   |                  |                          |             |   |                  |                      |       |            |                  |                         |       |            |                  |             |       |            |                  |              |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |
| Server Response:              | <table border="1"> <thead> <tr> <th>Confirmation Code</th> <th>Message</th> </tr> </thead> <tbody> <tr> <td>ISVR1</td> <td>Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application</td> </tr> <tr> <td>ICON1</td> <td>5383</td> </tr> <tr> <td>USPTOEFSNot</td> <td>For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: <a href="http://www.uspto.gov/ebc/">http://www.uspto.gov/ebc/</a></td> </tr> </tbody> </table>   |  |                          | Confirmation Code | Message   | ISVR1        | Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application | ICON1            | 5383                     | USPTOEFSNot | For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: <a href="http://www.uspto.gov/ebc/">http://www.uspto.gov/ebc/</a> |                  |                      |       |            |                  |                         |       |            |                  |             |       |            |                  |              |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |
| Confirmation Code             | Message  |  |                          |                   |           |              |   |                  |                          |             |   |                  |                      |       |            |                  |                         |       |            |                  |             |       |            |                  |              |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |
| ISVR1                         | Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application  |  |                          |                   |           |              |   |                  |                          |             |   |                  |                      |       |            |                  |                         |       |            |                  |             |       |            |                  |              |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |
| ICON1                         | 5383   |  |                          |                   |           |              |   |                  |                          |             |   |                  |                      |       |            |                  |                         |       |            |                  |             |       |            |                  |              |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |
| USPTOEFSNot                   | For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: <a href="http://www.uspto.gov/ebc/">http://www.uspto.gov/ebc/</a>  |  |                          |                   |           |              |   |                  |                          |             |   |                  |                      |       |            |                  |                         |       |            |                  |             |       |            |                  |              |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |
| First Named Applicant:        | Yung-Chi Shen  |  |                          |                   |           |              |   |                  |                          |             |   |                  |                      |       |            |                  |                         |       |            |                  |             |       |            |                  |              |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |
| Attorney Docket Number:       | 22171-00023-US1  |  |                          |                   |           |              |   |                  |                          |             |   |                  |                      |       |            |                  |                         |       |            |                  |             |       |            |                  |              |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |
| Timestamp:                    | 2004-09-15 12:55:49 EDT  |  |                          |                   |           |              |   |                  |                          |             |   |                  |                      |       |            |                  |                         |       |            |                  |             |       |            |                  |              |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |
| From:                         | us   |  |                          |                   |           |              |   |                  |                          |             |   |                  |                      |       |            |                  |                         |       |            |                  |             |       |            |                  |              |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |
| File Listing:                 | <table border="1"> <thead> <tr> <th>Doc. Name</th> <th>File Name</th> <th>Size (Bytes)</th> <th>Date Produced (yyyymmdd)</th> </tr> </thead> <tbody> <tr><td>application-body</td><td>2217100023US1-usappb.xml</td><td>35080</td><td>2004-09-15</td></tr> <tr><td>application-body</td><td>application-body.dtd</td><td>49498</td><td>2004-09-15</td></tr> <tr><td>application-body</td><td>us-application-body.xsl</td><td>82504</td><td>2004-09-15</td></tr> <tr><td>application-body</td><td>mathml2.dtd</td><td>54588</td><td>2004-09-15</td></tr> <tr><td>application-body</td><td>soextblx.dtd</td><td>12870</td><td>2004-09-15</td></tr> <tr><td>application-body</td><td>isoamsa.ent</td><td>5191</td><td>2004-09-15</td></tr> <tr><td>application-body</td><td>isoamsb.ent</td><td>3988</td><td>2004-09-15</td></tr> <tr><td>application-body</td><td>isoamsc.ent</td><td>1460</td><td>2004-09-15</td></tr> <tr><td>application-body</td><td>isoamsn.ent</td><td>5620</td><td>2004-09-15</td></tr> <tr><td>application-body</td><td>isoamso.ent</td><td>1934</td><td>2004-09-15</td></tr> <tr><td>application-body</td><td>isoamsr.ent</td><td>7073</td><td>2004-09-15</td></tr> <tr><td>application-body</td><td>isobox.ent</td><td>3568</td><td>2004-09-15</td></tr> <tr><td>application-body</td><td>isocyr1.ent</td><td>5345</td><td>2004-09-15</td></tr> <tr><td>application-body</td><td>isocyr2.ent</td><td>2504</td><td>2004-09-15</td></tr> <tr><td>application-body</td><td>isodia.ent</td><td>1508</td><td>2004-09-15</td></tr> <tr><td>application-body</td><td>isogr1.ent</td><td>4030</td><td>2004-09-15</td></tr> <tr><td>application-body</td><td>isogr2.ent</td><td>2259</td><td>2004-09-15</td></tr> <tr><td>application-body</td><td>isogr3.ent</td><td>3559</td><td>2004-09-15</td></tr> <tr><td>application-body</td><td>isogr4.ent</td><td>1920</td><td>2004-09-15</td></tr> <tr><td>application-body</td><td>isolat1.ent</td><td>5282</td><td>2004-09-15</td></tr> <tr><td>application-body</td><td>isolat2.ent</td><td>9007</td><td>2004-09-15</td></tr> <tr><td>application-body</td><td>isomfrk.ent</td><td>4553</td><td>2004-09-15</td></tr> <tr><td>application-body</td><td>isomopf.ent</td><td>2571</td><td>2004-09-15</td></tr> <tr><td>application-body</td><td>isomscr.ent</td><td>4628</td><td>2004-09-15</td></tr> </tbody> </table> |  |                          | Doc. Name         | File Name | Size (Bytes) | Date Produced (yyyymmdd)  | application-body | 2217100023US1-usappb.xml | 35080       | 2004-09-15  | application-body | application-body.dtd | 49498 | 2004-09-15 | application-body | us-application-body.xsl | 82504 | 2004-09-15 | application-body | mathml2.dtd | 54588 | 2004-09-15 | application-body | soextblx.dtd | 12870 | 2004-09-15 | application-body | isoamsa.ent | 5191 | 2004-09-15 | application-body | isoamsb.ent | 3988 | 2004-09-15 | application-body | isoamsc.ent | 1460 | 2004-09-15 | application-body | isoamsn.ent | 5620 | 2004-09-15 | application-body | isoamso.ent | 1934 | 2004-09-15 | application-body | isoamsr.ent | 7073 | 2004-09-15 | application-body | isobox.ent | 3568 | 2004-09-15 | application-body | isocyr1.ent | 5345 | 2004-09-15 | application-body | isocyr2.ent | 2504 | 2004-09-15 | application-body | isodia.ent | 1508 | 2004-09-15 | application-body | isogr1.ent | 4030 | 2004-09-15 | application-body | isogr2.ent | 2259 | 2004-09-15 | application-body | isogr3.ent | 3559 | 2004-09-15 | application-body | isogr4.ent | 1920 | 2004-09-15 | application-body | isolat1.ent | 5282 | 2004-09-15 | application-body | isolat2.ent | 9007 | 2004-09-15 | application-body | isomfrk.ent | 4553 | 2004-09-15 | application-body | isomopf.ent | 2571 | 2004-09-15 | application-body | isomscr.ent | 4628 | 2004-09-15 |
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| application-body              | mathml2.dtd  | 54588  | 2004-09-15               |                   |           |              |   |                  |                          |             |   |                  |                      |       |            |                  |                         |       |            |                  |             |       |            |                  |              |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |
| application-body              | soextblx.dtd   | 12870  | 2004-09-15               |                   |           |              |   |                  |                          |             |   |                  |                      |       |            |                  |                         |       |            |                  |             |       |            |                  |              |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |
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| application-body              | isoamsr.ent  | 7073   | 2004-09-15               |                   |           |              |   |                  |                          |             |   |                  |                      |       |            |                  |                         |       |            |                  |             |       |            |                  |              |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |
| application-body              | isobox.ent   | 3568   | 2004-09-15               |                   |           |              |   |                  |                          |             |   |                  |                      |       |            |                  |                         |       |            |                  |             |       |            |                  |              |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |
| application-body              | isocyr1.ent  | 5345   | 2004-09-15               |                   |           |              |   |                  |                          |             |   |                  |                      |       |            |                  |                         |       |            |                  |             |       |            |                  |              |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |
| application-body              | isocyr2.ent  | 2504   | 2004-09-15               |                   |           |              |   |                  |                          |             |   |                  |                      |       |            |                  |                         |       |            |                  |             |       |            |                  |              |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |
| application-body              | isodia.ent   | 1508   | 2004-09-15               |                   |           |              |   |                  |                          |             |   |                  |                      |       |            |                  |                         |       |            |                  |             |       |            |                  |              |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |
| application-body              | isogr1.ent   | 4030   | 2004-09-15               |                   |           |              |   |                  |                          |             |   |                  |                      |       |            |                  |                         |       |            |                  |             |       |            |                  |              |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |
| application-body              | isogr2.ent   | 2259   | 2004-09-15               |                   |           |              |   |                  |                          |             |   |                  |                      |       |            |                  |                         |       |            |                  |             |       |            |                  |              |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |
| application-body              | isogr3.ent   | 3559   | 2004-09-15               |                   |           |              |   |                  |                          |             |   |                  |                      |       |            |                  |                         |       |            |                  |             |       |            |                  |              |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |
| application-body              | isogr4.ent   | 1920   | 2004-09-15               |                   |           |              |   |                  |                          |             |   |                  |                      |       |            |                  |                         |       |            |                  |             |       |            |                  |              |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |
| application-body              | isolat1.ent  | 5282   | 2004-09-15               |                   |           |              |   |                  |                          |             |   |                  |                      |       |            |                  |                         |       |            |                  |             |       |            |                  |              |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |
| application-body              | isolat2.ent  | 9007   | 2004-09-15               |                   |           |              |   |                  |                          |             |   |                  |                      |       |            |                  |                         |       |            |                  |             |       |            |                  |              |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |
| application-body              | isomfrk.ent  | 4553   | 2004-09-15               |                   |           |              |   |                  |                          |             |   |                  |                      |       |            |                  |                         |       |            |                  |             |       |            |                  |              |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |
| application-body              | isomopf.ent  | 2571   | 2004-09-15               |                   |           |              |   |                  |                          |             |   |                  |                      |       |            |                  |                         |       |            |                  |             |       |            |                  |              |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |
| application-body              | isomscr.ent  | 4628   | 2004-09-15               |                   |           |              |   |                  |                          |             |   |                  |                      |       |            |                  |                         |       |            |                  |             |       |            |                  |              |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |

| Doc. Name                 | File Name                        | Size (Bytes) | Date Produced (yyyymmdd) |
|---------------------------|----------------------------------|--------------|--------------------------|
| application-body          | isonum.ent                       | 5913         | 2004-09-15               |
| application-body          | isopub.ent                       | 6621         | 2004-09-15               |
| application-body          | isotech.ent                      | 5268         | 2004-09-15               |
| application-body          | mathml2-qname-1.mod              | 13225        | 2004-09-15               |
| application-body          | mmlalias.ent                     | 38209        | 2004-09-15               |
| application-body          | mmlextra.ent                     | 7901         | 2004-09-15               |
| application-body          | wipo.ent                         | 4956         | 2004-09-15               |
| application-body          | 2217100023US1-usappb-D000001.tif | 10039        | 2004-09-15               |
| application-body          | 2217100023US1-usappb-D000002.tif | 10927        | 2004-09-15               |
| application-body          | 2217100023US1-usappb-D000003.tif | 10448        | 2004-09-15               |
| application-body          | 2217100023US1-usappb-D000004.tif | 10834        | 2004-09-15               |
| application-body          | 2217100023US1-usappb-D000005.tif | 11540        | 2004-09-15               |
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| application-body          | 2217100023US1-usappb-D000008.tif | 11267        | 2004-09-15               |
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| application-body          | 2217100023US1-usappb-C000002.tif | 529          | 2004-09-15               |
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| us-request                | 2217100023US1-usrequ.xml         | 2062         | 2004-09-15               |
| us-request                | us-request.dtd                   | 19064        | 2004-09-15               |
| us-request                | us-request.xsl                   | 33904        | 2004-09-15               |
| us-declaration            | 2217100023US1-usdecl-O000001.tif | 40686        | 2004-09-15               |
| us-declaration            | 2217100023US1-usdecl-O000002.tif | 39542        | 2004-09-15               |
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| us-declaration            | 2217100023US1-usdecl-O000004.tif | 19866        | 2004-09-15               |
| us-fee-sheet              | 2217100023US1-usfees.xml         | 1474         | 2004-09-15               |
| us-fee-sheet              | us-fee-sheet.dtd                 | 11069        | 2004-09-15               |
| us-fee-sheet              | us-fee-sheet.xsl                 | 24912        | 2004-09-15               |
| application-body-pdf-wrap | 2217100023US1-pdf-wrap.xml       | 747          | 2004-09-15               |
| abstract-pdf              | 2217100023US1-abst.pdf           | 13020        | 2004-09-15               |
| claims-pdf                | 2217100023US1-clms.pdf           | 41870        | 2004-09-15               |
| description-pdf           | 2217100023US1-desc.pdf           | 64453        | 2004-09-15               |
| drawings-pdf              | 2217100023US1-draw.pdf           | 113002       | 2004-09-15               |
| package-data              | 2217100023US1-pkda.xml           | 13360        | 2004-09-15               |
| package-data              | package-data.dtd                 | 27025        | 2004-09-15               |
| package-data              | us-package-data.xsl              | 19263        | 2004-09-15               |
| Total files size          |                                  | 1040180      |                          |

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